DATA SHEET

Premium Efficiency Motor: **PEWWE60-18-364TS** **60 Hz**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated: 10-Oct-2024
Document ID:

Customer:

MOTOR INFORMATION

HP	60
RPM	1800
Phase	3
Frequency	60Hz
Voltage	230/460 V
Frame Size	364TS
Enclosure	TEFC
Degree of Protection	IP55
Service Factor	1.25
Poles	4
Full Load Speed	1780
Insulation Class	F
Temp Rise	80°C
NEMA Code Letter	G
Duty Cycle	S1 / Continuous
Slip	1.10%
NEMA Design	B
Moment of Inertia	14 lb.ft.^2
Locked Rotor Time (Hot)	14 seconds
Sound Pressure Level	73 dB(A)
Number of Starts	2 Cold/ 1 Hot
Max Ambient Temperature	40°C
Max Elevation	1000 m.a.s.l (3300 f.a.s.l)
Mounting	F1
Rotation	Bi-Directional
Area of Classification	Class 1 Division 2 Groups A,B,C,D T3A(180°C)
Inverter Rating	10:1 CT / 20:1 VT PWM Type
Standard	NEMA MG-1
Approvals	CSA-US, CE

ADDITIONAL DATA

F2 Suitable	Yes
Shaft Material	1045 Carbon Steel
Connection Diagram	230 / 460 V - 12 Lead Δ
Approximate Weight	747 lbs.

EFFICIENCY/POWER FACTOR

LOAD	EFF	P. F.
100%	95.0 %	0.83
75%	95.3 %	0.80
50%	94.9 %	0.71

TORQUE

FULL LOAD	LRT	BDT
177 lb.ft.	190 %	250 %

AMPERAGE INFORMATION

	230V	460V
Full Load Amps	142A	71.2A
Locked Rotor Amps	870A	435A
No Load Current	52A	26A
Usable at 208V	158A	

BEARING INFORMATION

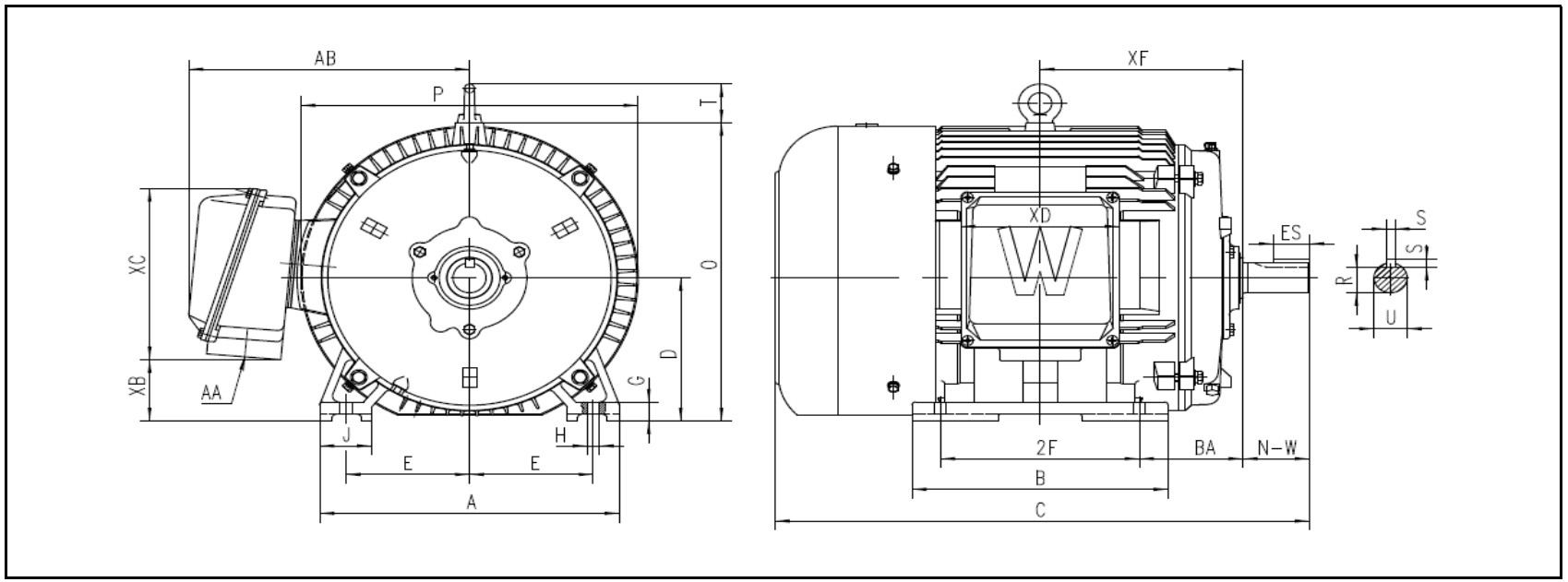
DE Bearing	6313 C3
ODE Bearing	6312 C3
Grease Type	SKF LGHP 2
DE Regreasing Interval	3000 Hours
ODE Regreasing Interval	4000 Hours

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

MOTOR DRAWING

Premium Efficiency Motor: **PEWWE60-18-364TS**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net



DIMENSION - INCHES

MOUNTING					A	B	C	D	G	J	P	O	T	AB
E	2F1	2F	H	BA										
7	--	11.25	0.66	5.88	16.969	14.488	30.246	9	1.181	2.953	19.091	18.8	2.441	15.899

SHAFT & KEY				
S	ES	R	N-W	U
0.5	2.03	1.591	3.75	1.875

TERMINAL BOX				
AA	XB	XC	XD	XF
3	3.849	10.783	8.976	11.496

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization

PERFORMANCE CURVES

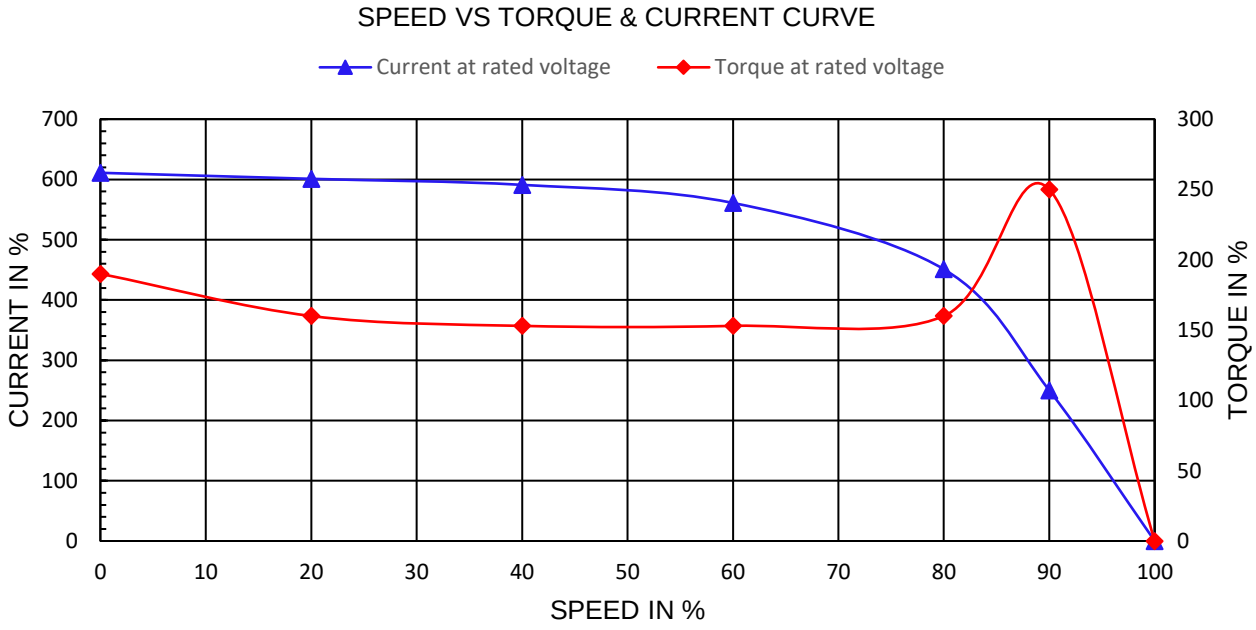
Premium Efficiency Motor: **PEWWE60-18-364TS**

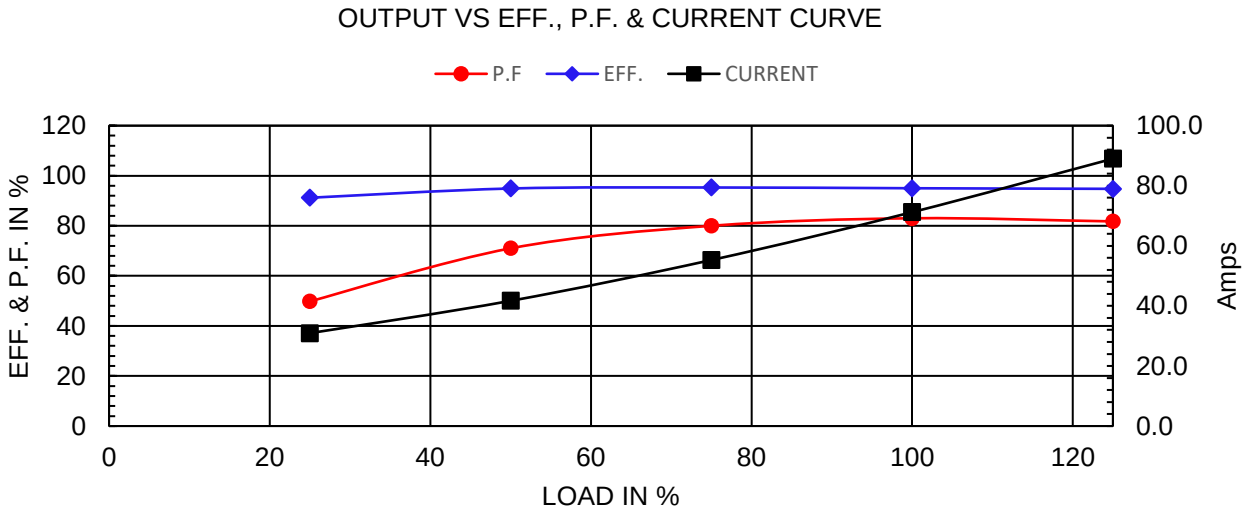
WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated:	10-Oct-2024
Document ID:	

Customer:

Motor Type	PEWWE						
Output Rating (HP)	60		FL Speed	1780			
Full Load Torque	177	lb.ft	LRT (%FLT)	190	460 volt FLA	71.2	A
Rotor Wk^2	14	lb-ft^2	BDT (%FLT)	250	230 volt FLA	142	A





This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization.

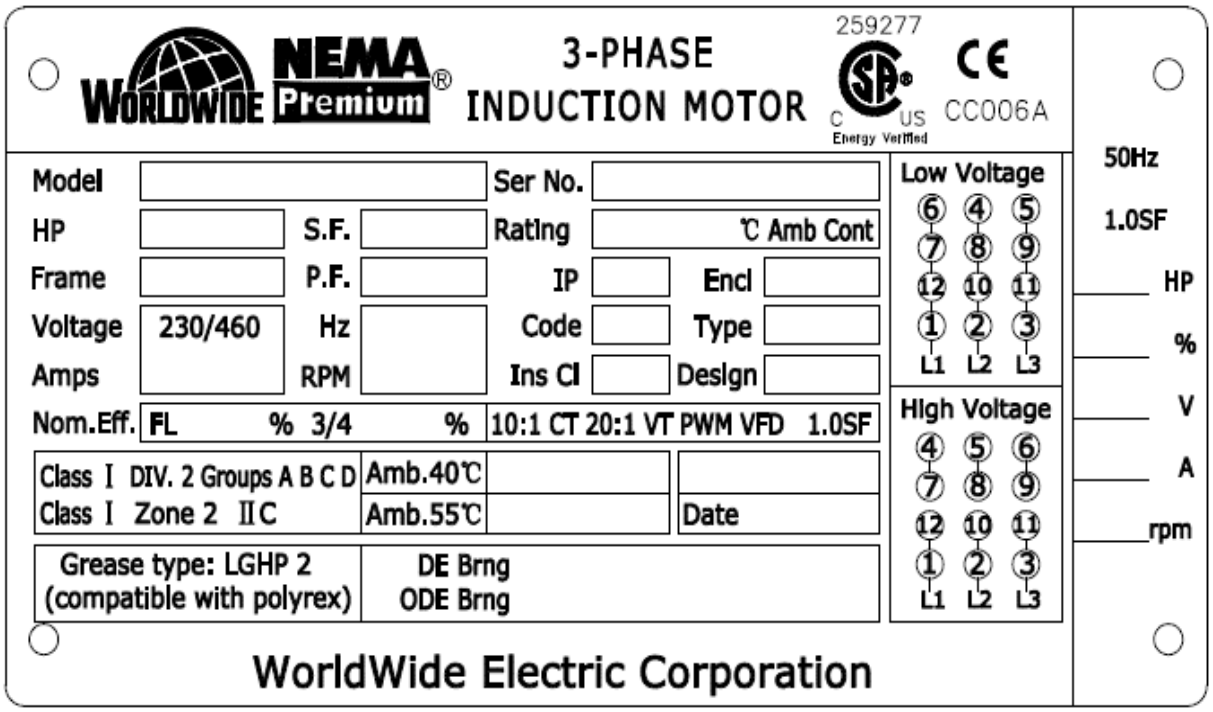
NAMEPLATE / WIRING

Premium Efficiency Motor: **PEWWE60-18-364TS**

WorldWide Electric Corporation
1 (800) 808-2131
Worldwideelectric.net

Document Generated: 10-Oct-2024 Document ID:	Customer:

SAMPLE NAMEPLATE DATA



Model	PEWWE60-18-364TS						
HP	60	S.F.	1.25	IP	IP55	Encl	TEFC
Frame	364TS	P.F.	0.83	Code	G	Type	
Voltage	230/460 V	Hz	60Hz	Ins Cl	F	Ambient	40°C
Amps	142/71.2	RPM	1780	Design	B	DE Brng	6313 C3
Nom.Eff.	FL	95.0%	3/4	95.3%		ODE Brng	6312 C3
Class 1 Division 2 Groups A,B,C,D T3A(180℃)						Grease type:	SKF LGHP 2

50Hz				
60 HP	200/400 V	167/83. A	1480 rpm	93.1%

This document is the property of WorldWide Electric Corporation and may not be reproduced without express authorization